

Technical Data Sheet

Date of compilation: 07/03/2023

ARC INTEGRAL WATERPROOFER

DESCRIPTION

ARC INTEGRAL WATERPROOFER is an aqueous solution of refined fatty acid based water repellents and sodium silicates for use as a mortar / render water-proofing admixture to give integral water-proofing activity, protecting internal walls against moisture ingress from capillary migration from damp brickwork and in external applications restricting penetrating dampness from rainwater. The water-reducing and plasticising properties of this additive also improves the density, strength and long-term durability for use in applications such as re-pointing; rendering; plastering and screeding.

ARC INTEGRAL WATERPROOFER imparts improved levels of workability, making for easier placement of mortar, plaster, render and floor screeds. The benefits of improved plasticising properties allows for levels of water reduction, which not only reduce the risk of drying shrinkage and cracking, but also results in higher long-term strength development in the hardened mortar.

ARC INTEGRAL WATERPROOFER is the ideal additive for use when re-plastering internal walls following the installation of an injected damp-proof course. Its effectiveness in increasing the density and water-repellency of an internal render will inhibit the migration of salt-bearing moisture from brickwork above the DPC level, thus leaving the internal walls free to be finished and redecorated without risk of further damage through dampness.



MIXING GUIDLINES

To ensure that ARC INTEGRAL WATERPROOFER is adequately dispersed throughout the render / plaster mix, add to all the gauging liquid at a rate of 4.5 litres per 150 litres of water. This is approximately equivalent to about 320mls of INTEGRAL WATERPROOFER per 25 kg of Portland cement. In general terms it is usually found that 500mls of INTEGRAL WATERPROOFER when added to prepare a strong internal damp-proofing render of 1 part cement to 3 parts sand, will be sufficient to cover about 8 square metres at a depth typically of about 10mm.

NOTE: It is essential that water-proof renders are prepared using clean gauging liquid and washed dried, (salt-free-zone 3) sand, so that the full benefits of the products salt inhibiting properties can be demonstrated.

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APPLICATION METHOD

Always add INTEGRAL WATERPROOFER to the mixer water before charging with sand and cement. NEVER add direct to the dry cement or sand. To account for the water reducing properties of INTEGRAL WATERPROOFER always start the mix with a minimal required volume of water then top up to just about achieve the desired consistency, allowing complete and homogenous mixing to be achieved at all stages, but avoid over mixing the mortar for a prolonged period as this may weaken the ultimate strength of the mix due to excessive aeration.

HEALTH & SAFETY

IRRITATING in contact with skin and eyes in much the same way as the mixed cement mortars will irritate skin.

Always wear suitable protective clothing, including overalls, alkali resistant gloves or gauntlets; safety boots and safety goggles where splashes are a perceived risk. Any clothing contaminated with splashes of INTEGRAL WATERPROOFER should be changed and laundered immediately to prevent any risk of prolonged skin contact.

STORAGE & PACKAGING

INTEGRAL WATERPOOFER is supplied in 5 litre and 25 litre polythene containers and must be stored in sealed secure conditions away from sources of heat, or exposure to low temperatures and frost.

NOTE

The information contained on this spec sheet is given voluntarily and in good faith. It is to the best of our knowledge true and accurate; however it may contain information which is inappropriate under certain conditions of use. The company cannot accept responsibility for any loss or damage due to inappropriate use or the possibility of variations of working conditions and of workmanship outside our control.

The user must ensure the product's suitability for the application intended and if in doubt should seek a written technical specification for the product's application.